Interrupt

# **Refine Search**

#### Search Results -

Terms	Documents
L10 and recycl\$7	30

US Pre-Grant Publication Full-Text Database
US Patents Full-Text Database
US OCR Full-Text Database
EPO Abstracts Database
JPO Abstracts Database
Derwent World Patents Index
IBM Technical Disclosure Bulletins

L11

Rearch:

**Search History** 

DATE: Monday, May 03, 2004 Printable Copy Create Case

Recall Text =

Set Name	Query	<b>Hit Count</b>	•
side by side			result set
DB=PGI	PB,USPT,USOC,EPAB,JPAB,DWPI,TDBD; PLUR=YE	S; $OP = ADJ$	
<u>L11</u>	L10 and recycl\$7	30	<u>L11</u>
<u>L10</u>	L9 and ferment\$7	59	<u>L10</u>
<u>L9</u>	L8 and sulfuric acid	311	<u>L9</u>
<u>L8</u>	L7 and evaporat\$6	561	<u>L8</u>
<u>L7</u>	L6 and carbon dioxide	721	<u>L7</u>
<u>L6</u>	L5 and strip\$6	2906	<u>L6</u>
<u>L5</u>	L3 and extract	11353	<u>L5</u>
<u>L4</u>	L3 and exctract	0	<u>L4</u>
L3	L2 or (ratio and carboxylic acid and carboxylate)	38441	<u>L3</u>
<u>L2</u>	ratio and lactic acid and lactate	6845	<u>L2</u>
<u>L1</u>	ratio and lactic acid and lacatate	2	<u>L1</u>

END OF SEARCH HISTORY

## **Hit List**

Clear Generate/Collection English English Ewd Refs Bkwd Refs Bkwd Refs

**Search Results -** Record(s) 1 through 10 of 30 returned.

☐ 1. Document ID: US 20030004375 A1

Using default format because multiple data bases are involved.

L11: Entry 1 of 30

File: PGPB

Jan 2, 2003

PGPUB-DOCUMENT-NUMBER: 20030004375

PGPUB-FILING-TYPE: new

DOCUMENT-IDENTIFIER: US 20030004375 A1

TITLE: Process for producing a purified <u>lactic acid</u> solution

PUBLICATION-DATE: January 2, 2003

INVENTOR-INFORMATION:

NAME CITY STATE COUNTRY RULE-47 Mizrahi, Joseph Haifa MN ILEyal, Aharon Jerusalem ILRiki, Canari Jerusalem ILHazan, Betty Jerusalem ILStarr, John N. Chaska US

US-CL-CURRENT: 562/589

☐ 2. Document ID: US 20020102672 A1

L11: Entry 2 of 30

File: PGPB

Aug 1, 2002

PGPUB-DOCUMENT-NUMBER: 20020102672

PGPUB-FILING-TYPE: new

DOCUMENT-IDENTIFIER: US 20020102672 A1

TITLE: PROCESS FOR PRODUCING A PURIFIED LACTIC ACID SOLUTION

PUBLICATION-DATE: August 1, 2002

INVENTOR-INFORMATION:

NAME CITY STATE COUNTRY RULE-47

MIZRAHI, JOSEPH HAIFA MN IL EYAL, AHARON JERUSALEM IL · Record List Display

RIKI, CANARI

**JERUSALEM** 

ΙL

HAZAN, BETTY STARR, JOHN JERUSALEM CHASKA IL US

US-CL-CURRENT: 435/139

Full Title Citation Front Review Classification Date Reference Sequences Attachments Claims KNMC Draw De

☐ 3. Document ID: US 20020038058 A1

L11: Entry 3 of 30

File: PGPB

Mar 28, 2002

PGPUB-DOCUMENT-NUMBER: 20020038058

PGPUB-FILING-TYPE: new

DOCUMENT-IDENTIFIER: US 20020038058 A1

TITLE: Process for recovering low-boiling acids

PUBLICATION-DATE: March 28, 2002

INVENTOR-INFORMATION:

NAME

CITY

STATE

COUNTRY RULE-47

Holtzapple, Mark T.

College Station

TX

US

Davison, Richard R.

Bryan

TX

US

US-CL-CURRENT: <u>568/397</u>

Full Title Citation Front Review Classification Date Reference Sequences Attachments Claims KMC Draw De

☐ 4. Document ID: US 6509179 B1

L11: Entry 4 of 30

File: USPT

Jan 21, 2003

US-PAT-NO: 6509179

DOCUMENT-IDENTIFIER: US 6509179 B1

TITLE: Continuous process for preparing lactic acid

Full Title Citation Front Review Classification Date Reference Sequences (Atachnomics Claims KMC Draw De

□ 5. Document ID: US 6395926 B1

L11: Entry 5 of 30

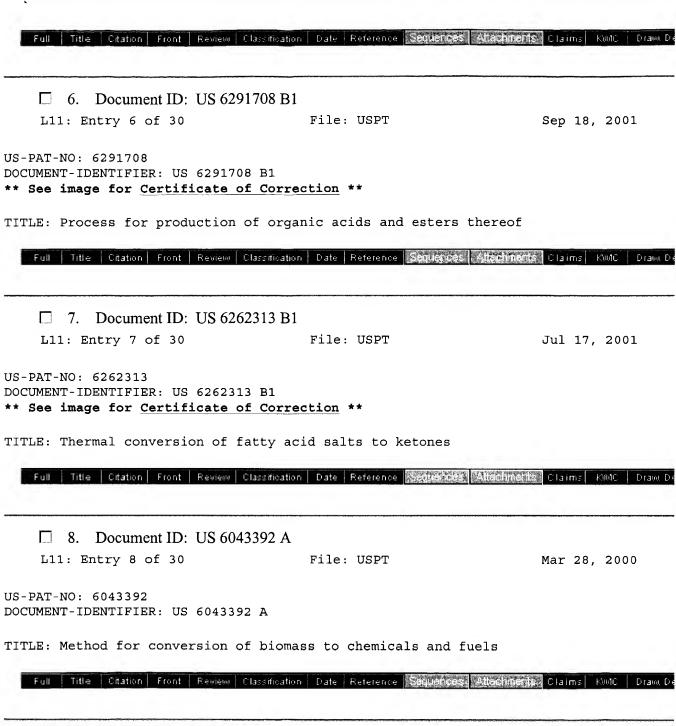
File: USPT

May 28, 2002

US-PAT-NO: 6395926

DOCUMENT-IDENTIFIER: US 6395926 B1

TITLE: Process for recovering low-boiling acids



☐ 9. Document ID: US 5959144 A

L11: Entry 9 of 30 File: USPT Sep 28, 1999

US-PAT-NO: 5959144

DOCUMENT-IDENTIFIER: US 5959144 A

TITLE: Process for the recovery of lactic acid



☐ 10. Document ID: US 5750732 A

L11: Entry 10 of 30

File: USPT

May 12, 1998

US-PAT-NO: 5750732

DOCUMENT-IDENTIFIER: US 5750732 A

TITLE: Method to produce cyclic esters

Full	Title Citation	Front	Review	Classification	Date	Reference	Soleman	Allerines	Claims	RodC	Drawt D
									<b>医温尔之物种</b>		NZZI ZINGGANI
Clear	. Gene	tale Co	lection	. Print		Wo Kers	- Bkwd	Reis .	Gener	ale U	(US)
	Terms	Terms				I	Documents				
	L10 and recycl\$7								•	30	

Display Format: - Change Format:

Previous Page

Next Page

Go to Doc#

#### **Hit List**

Clear Generate Collection Final Fwd Refs Bkwd Refs Generate OACS

**Search Results** - Record(s) 11 through 20 of 30 returned.

☐ 11. Document ID: US 5563069 A

Using default format because multiple data bases are involved.

L11: Entry 11 of 30

File: USPT

Oct 8, 1996

US-PAT-NO: 5563069

DOCUMENT-IDENTIFIER: US 5563069 A

TITLE: Extractive fermentation using convoluted fibrous bed bioreactor

DATE-ISSUED: October 8, 1996

INVENTOR-INFORMATION:

NAME CITY STATE ZIP CODE COUNTRY

Yang; Shang-Tian Dublin OH

US-CL-CURRENT: 435/295.3; 435/297.1, 435/299.1

Full Title Citation Front Review Classification Date Reference **Ceoutifices Attackments** Claims KMC Draw. De

☐ 12. Document ID: US 5420304 A

L11: Entry 12 of 30

File: USPT

May 30, 1995

US-PAT-NO: 5420304

DOCUMENT-IDENTIFIER: US 5420304 A

\*\* See image for Certificate of Correction \*\*

TITLE: Method to produce cyclic esters

Full Title Citation Front Review Classification Date Reference Salver Cas Programs Claims KMC Draw. De

☐ 13. Document ID: US 5319107 A

L11: Entry 13 of 30

File: USPT

Jun 7, 1994

US-PAT-NO: 5319107

DOCUMENT-IDENTIFIER: US 5319107 A

\*\* See image for Certificate of Correction \*\*

TITLE: Method to produce cyclic esters

US-PAT-NO: 5188858

DOCUMENT-IDENTIFIER: US 5188858 A

TITLE: Propylene glycol diesters of medium chain and long chain saturated fatty

acids useful as reduced calorie cocoa butter substitutes and hard butters

Full Title Citation Front Review Classification Date Reference Several Machinests Claims Null Draw De 15. Document ID: US 4379862 A

L11: Entry 15 of 30 File: USPT Apr 12, 1983

US-PAT-NO: 4379862

DOCUMENT-IDENTIFIER: US 4379862 A

TITLE: Process for the preparation of polyurethane resins using low molecular weight polyhydroxyl compounds prepared by the condensation of formaldehyde

Full Title Citation Front Review Classification Date Reference Semication Attachingnes Claims RMC Draw De 

16. Document ID: US 4343937 A

L11: Entry 16 of 30 File: USPT Aug 10, 1982

US-PAT-NO: 4343937

DOCUMENT-IDENTIFIER: US 4343937 A

TITLE: 3-Substituted-7-methoxy-7-amino-3-cephem-4-carboxylic acids

Full Title Citation Front Review Classification Date Reference Process Claims RWC Draw. D.

17. Document ID: US 4342869 A

File: USPT

US-PAT-NO: 4342869

DOCUMENT-IDENTIFIER: US 4342869 A

L11: Entry 17 of 30

TITLE: Cephalosporin antibiotics

Aug 3, 1982

☐ 18. Document ID: US 4342757 A

L11: Entry 18 of 30

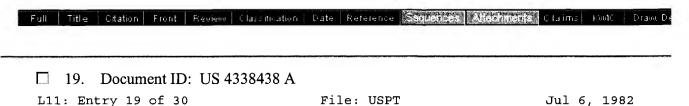
File: USPT

Aug 3, 1982

US-PAT-NO: 4342757

DOCUMENT-IDENTIFIER: US 4342757 A

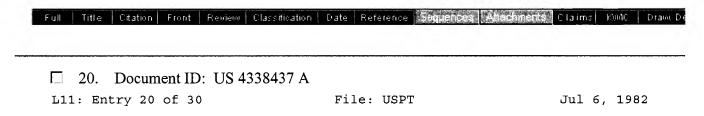
TITLE: Cephalosporin antibiotic compositions



US-PAT-NO: 4338438

DOCUMENT-IDENTIFIER: US 4338438 A

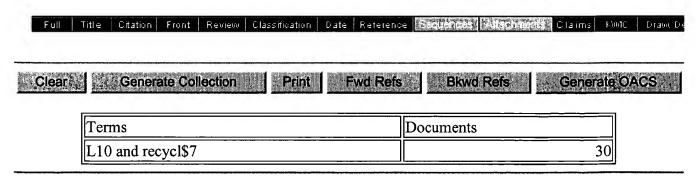
TITLE: Cephalosporin antibiotics



US-PAT-NO: 4338437

DOCUMENT-IDENTIFIER: US 4338437 A

TITLE: Cephalosporin antibiotics



Display Format: - Change Format &

Previous Page

Next Page

Go to Doc#

## **Hit List**



Search Results - Record(s) 21 through 30 of 30 returned.

☐ 21. Document ID: US 4324890 A

Using default format because multiple data bases are involved.

L11: Entry 21 of 30

File: USPT

NJ

Apr 13, 1982

US-PAT-NO: 4324890

DOCUMENT-IDENTIFIER: US 4324890 A

TITLE: Cephalosporin intermediates

DATE-ISSUED: April 13, 1982

INVENTOR-INFORMATION:

NAME CITY STATE ZIP CODE COUNTRY

Christensen; Burton G. Scotch Plains

Elizabeth NJ

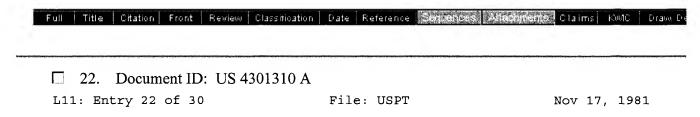
Karady; Sandor
Cama; Lovji D.

Edison NJ

Sletzinger; Meyer

North Plainfield NJ

US-CL-CURRENT: 540/221; 540/226, 540/227



US-PAT-NO: 4301310

DOCUMENT-IDENTIFIER: US 4301310 A

TITLE: Process for the preparation of low molecular weight polyhydroxyl compounds

Full Title C	itation Front Revi	ew Classification	Date Reference	Sequences Affactiments	Claims	Route	Drawn D
				4. DATE COMPANIES CONTROL CONT			

☐ 23. Document ID: US 4297488 A

L11: Entry 23 of 30

File: USPT

Oct 27, 1981

US-PAT-NO: 4297488

DOCUMENT-IDENTIFIER: US 4297488 A

\*\* See image for Certificate of Correction \*\*

TITLE: 7-.alpha.-Methoxy cephalosporins

Full Title Citation Front Review Classification Date Reference **Sequences Attechments** Claims MidC Draw De

☐ 24. Document ID: US 4219508 A

L11: Entry 24 of 30

File: USPT

Aug 26, 1980

US-PAT-NO: 4219508

DOCUMENT-IDENTIFIER: US 4219508 A

TITLE: Process for the preparation of low molecular weight polyhydroxyl compounds

Full Title Citation Front Review Classification Date Reference Section 2 Claims KMIC Draw De

☐ 25. Document ID: US 3965168 A

L11: Entry 25 of 30

File: USPT

Jun 22, 1976

US-PAT-NO: 3965168

DOCUMENT-IDENTIFIER: US 3965168 A

\*\* See image for Certificate of Correction \*\*

TITLE: 3-Carbamoyl-3-hydroxyglutaric acid and salts

Full Title Citation Front Review Classification Date Reference Sequences Attachments Claims KWIC Draw, Dr

☐ 26. Document ID: US 3960941 A

L11: Entry 26 of 30

File: USPT

Jun 1, 1976

US-PAT-NO: 3960941

DOCUMENT-IDENTIFIER: US 3960941 A

\*\* See image for Certificate of Correction \*\*

TITLE: 3-Hydroxy-3,4-dicarbamoylbutyric acid and salts

Full Title Citation Front Review Classification Date Reference Claims NMC Draw, De

☐ 27. Document ID: US 3911002 A

L11: Entry 27 of 30

File: USPT

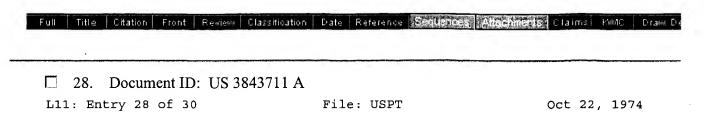
Oct 7, 1975

US-PAT-NO: 3911002

DOCUMENT-IDENTIFIER: US 3911002 A

\*\* See image for Certificate of Correction \*\*

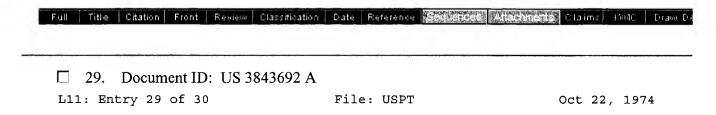
TITLE: 3-Carbamoyl-3-hydroxy-4-halobutyric acid and salts thereof



US-PAT-NO: 3843711

DOCUMENT-IDENTIFIER: US 3843711 A

TITLE: CHEMICAL PROCESS AND COMPOSITIONS

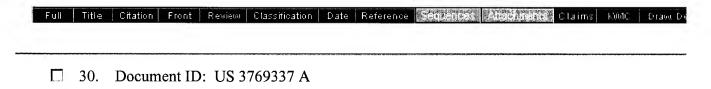


US-PAT-NO: 3843692

DOCUMENT-IDENTIFIER: US 3843692 A

\*\* See image for Certificate of Correction \*\*

TITLE: 3-CARBAMOYL-3,4-EPOXYBUTYRIC ACID AND THE ALKALI METAL, ALKALINE EARTH METAL AND AMMONIUM SALTS



File: USOC

US-PAT-NO: 3769337

L11: Entry 30 of 30

DOCUMENT-IDENTIFIER: US 3769337 A

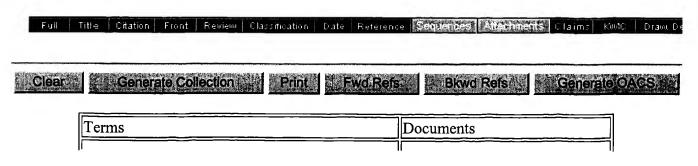
TITLE: PROCESS FOR THE PREPARATION OF CITRIC ACID

DATE-ISSUED: October 30, 1973

INVENTOR-NAME: WIEGAND K

US-CL-CURRENT: 562/584; 548/544, 549/548, 558/441, 558/442, 560/170, 560/174,

<u>562/564</u>, <u>562/567</u>, <u>562/571</u>, <u>562/577</u>, <u>562/858</u>



Oct 30, 1973